

Serial No. 09/702,718

Patent
55293-00003

PROPOSED ALTERNATIVES FOR CLAIM 13

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Claim 13 (ALTERNATIVE 1)

A method of ~~regenerating~~ generating hyaline cartilage, comprising:

- a) generating a recombinant viral or plasmid vector comprising a DNA sequence encoding transforming growth factor β 1 (TGF- β 1) or ~~BMP~~ operatively linked to a promoter;
- b) ~~transfecting/transducing~~ transfecting in vitro a population of chondrocyte cells chondrocytes with said recombinant vector, resulting in a population of ~~transfected/transduced~~ transfected connective tissue cells; and
- c) injecting a composition consisting of the ~~transfected/transduced~~ transfected population of chondrocyte cells chondrocytes and a pharmaceutically acceptable ~~carrier~~ solution into a joint space of a mammal such that expression of the DNA sequence encoding TGF β 1 or ~~BMP~~ within the joint space occurs resulting in the generation of hyaline cartilage in the joint space.

Claim 13 (ALTERNATIVE 2):

A method of ~~regenerating~~ generating hyaline cartilage, comprising:

- a) generating a recombinant viral or plasmid vector comprising a DNA sequence encoding transforming growth factor β 1 (TGF- β 1) or ~~BMP~~ operatively linked to a promoter;

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- b) transfected/transducing transfected *in vitro* a population of chondrocyte cells chondrocytes with said recombinant vector, resulting in a population of transfected/transduced transfected connective tissue cells; and
- c) injecting a composition consisting of the transfected/transduced transfected population of chondrocyte cells chondrocytes and a pharmaceutically acceptable carrier into a joint space of a mammal, wherein cells move freely within the joint, such that expression of the DNA sequence encoding TGF β 1 or BMP within the joint space occurs resulting in the generation of hyaline cartilage in the joint space.

(Support for bolded amendment may be found at page 17, line 17).

Claim 13 (ALTERNATIVE 3):

A method of regenerating generating hyaline cartilage, comprising:

- a) generating a recombinant viral or plasmid vector comprising a DNA sequence encoding transforming growth factor β 1 (TGF- β 1) or BMP operatively linked to a promoter;
- b) transfected/transducing transfected *in vitro* a population of chondrocyte cells chondrocytes with said recombinant vector, resulting in a population of transfected/transduced transfected connective tissue cells; and
- c) injecting a composition consisting of the transfected/transduced transfected population of chondrocyte cells chondrocytes and a pharmaceutically acceptable carrier solution into a joint space of a mammal, wherein cells move freely within the joint, such that expression of the DNA sequence encoding TGF β 1 or BMP

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within the joint space occurs resulting in the generation of hyaline cartilage in the joint space.